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Issue No 3, 12 Jan 59, Prague, pp 9-12

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Mil

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22 Sep 1959, pp 851-856.

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ESur - Czechoslovakia  
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ONI Tr 5052453

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Mil - Armed Services, Arms,  
Antiaircraft Defense  
Sep 58

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Agency: **NIH**

**R-11561-D**

P.O.No. **D-160547-0/2**

**23 April 1970**

**Title: Contribution on the Mechanism of the Development  
of Nitrate Alimentary Methaemoglobinemia in Infants**

**Author: Zdenek Knotek, Pavel Schmidt et al**

**Source: Ustav Hygieny, Praha Veterinarni Zarizeni,  
Czech Hygiene - VI 10- 1961**

**Language: Czech**

**Special Instructions: Please translate & type 1 copy**

REPORT. ÚSTAV JADERNÉHO VÝZKUMU. ČESKOSLOVENSKÁ  
AKADÉMIE VED  
UJV-1546 70-22090 <\*>  
UJV-1547 70-22091 <\*>  
(UJV-1638) NP-YR-1831 <=>

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Order from ATS \$9.50

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Trans. of Ústavy pro Naftový Vyskum. Prace.  
Publ[ikace] (Czechoslovakia) 1956, no. 17-21, p. 73-77.

DESCRIPTORS: \*Bitumens, \*Chromatographic analysis,  
\*Microanalysis.

- I. Smeral, J.
- II. ATS-09N52C
- III. Associated Technical  
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Order from SLA \$1.10

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DESCRIPTORS: Solids, Fuels, \*Coal, Volumetric  
analysis, \*Moisture.

(Chemistry--Analytical, TT, v. 10, no. 3)

62-10965

- I. Title: Fischer's method
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- II. Title: Fischer's ...

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*[Signature]*  
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Editor - Hungary

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Actelles, 1964, 13 ppp  
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Five Days in Soviet Estonia Part I. <sup>V</sup>Reval, by Prof  
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USSR - Estonia  
Soc - Education, art

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13 Apr 1956, pp 14, 15.

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UNISE - Estonia  
Soc - Education, art

Principles of Cold Weather Engines Operation, by  
W. Bjorcke, B. Lemmo, 29 pp.

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ARM/PBTC/HT-23-998-68

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Order from OTS \$1.50 60-21634

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Zagreb, 1955, 183p.

DESCRIPTORS: \*Agriculture, \*Plants, \*Trees, Classi-  
fication, Distribution, Ecology, Culture, Fertility,  
Chemical analysis.

(Agriculture--Plant Cultivation, TT, v. 8, no. 4)

- I. Title: Hazelnuts
- I. Kovacevic, I.
- II. PL-480 Agr (60-21634)
- III. National Science Foundation  
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\*SI TT 71-53007  
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GERMAN, bk, Vakuum Formung von Thermoplastischen  
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SLA TT-66-10570

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SLA TT 66-10871

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Order from BGIRA

Trans. of Vakuum-Technik (West Germany) 1952,  
v. 1, no. 1, p. 9-13.

DESCRIPTORS: \*Glass, \*Containers, Thermal  
insulation, Liquids, Low temperature research,  
Laboratory equipment.

(Materials--Ceramics. TT, v. 10, no. 3)

63-17424

- I. Title: Dewar flask
- I. Mösch, G. C.
- II. BGIRA-562
- III. British Glass Industry  
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Order from SLA \$1.60

Trans. of Vakuum-Technik (West Germany) 1952, v. 1, no. 1, p. 14-18.

DESCRIPTORS: \*Glass, Mathematical analysis, \*Stresses, Measurement, \*Elasticity, Ceramic materials, Shear stresses, Surfaces.

A survey is given of the problems encountered in stress investigations.

(Materials--Ceramics, TT, v. 8, no. 9)

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no. 12/13, p. 256-259.

DESCRIPTORS: \*Resistors, \*Electrical equipment,  
Production, \*Alloys, Magnetic properties, \*Evaporation,  
Intermetallic compounds, Conductors, \*Condensation  
réactions, \*Vacuum apparatus, Metals, Coatings,  
\*Ferromagnetic materials, \*Semiconductors.

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I. Reichelt, W.  
II. Heraeus, W. C.

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GERMAN, per, Vakuum-Technik, Vol. 3, No. 6-7,  
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Espe, Werner.  
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47p. (figs. omitted) 31 refs.  
Order from SLA \$4.60

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Trans. of Vakuum-Technik (West Germany) 1955, v. 4,  
no. 4/5, p. 82-100.

DESCRIPTORS: \*Adhesives, \*Vacuum seals, \*Steel,  
Chromium alloys, Iron alloys, \*Seals (Stoppers).

The CrFe alloys used for glass-to-metal seals have a  
chromium content of 17-30%, Mo, Nb, Ti, Ta, or  
Si -- depending on the maker -- being added to the low-  
chrome alloys to improve their structural stability and  
make the material easier to machine. The formation of  
vacuum-tight seals between wires, rods, rings, caps,  
etc. and ordinary soft industrial glasses is relatively  
simple, since the alloy: (1) -- as distinct from Kovar --  
(Materials--Sealants, TT, v. 10, no. 11) (over)

63-18930

I. Espe, W.

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Matz.  
GHEMAN, per, Vakuum-Technik, Vol 3, No 6-7, 1955,  
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G MATZ.

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Sci - Engr

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GERMAN, per, Vakuum-Tech, Vol VI, 1957, pp 181-185.

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Glass as Materials in High Vacuum Technique,  
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The Passage of Gases Through Plastics  
Films, by H. Klumb.

GERMAN, per, Vakuum-Technik, Vol VII, 1958,  
pp 35-41.                     

GB/53/360

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62-17769

HF-MASS SPECTROMETER AND ITS APPLICATION  
ON THE VACUUM INDUSTRY. [1962] 28p.  
Order from K-H 535.00      K-H 11169

Trans. of Vakuum-Technik (West Germany) [1958]  
v. 7, no. 1, p. 13-16 and no. 2/3, p. 46-51.

DESCRIPTORS: \*Mass spectrometers, High fre-  
quency, Vacuum systems, Industry.

(Machinery--Manufacturing, TT, v. 8, no. 11)

- I. K-H-11169
- II. Kresge-Hooker Science  
Library Associates,  
Detroit, Mich.

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Homogeneous and Heterogeneous Evaporated Antimony  
Films, by E. Rudl, 12 pp.

GERMAN, per, Vakuum, Vol VII-VIII, 1957-1958,  
pp 56-60. 2093721

AEC UCRL Tr-719

Sci - Phys  
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Hintenberger, H. and Dörnenburg, E.  
APPLICATION OF MASS SPECTROMETRY IN  
VACUUM TECHNOLOGY, PT. I. (Anwendung der  
Massenspektroskopie in der Vakuumtechnik, I. Teil).  
[1962] [42]p. (foreign text included) 49 refs.  
Order from SLA \$4.60 62-18538

Trans. of Vakuum-Technik (West Germany) 1958,  
v. 7, no. 6, p. 121-130.

DESCRIPTORS: \*Mass spectroscopy, \*Spectrum  
analyzers, Vacuum apparatus, Ions, Production,  
Detection, Ion beams, Vapor pressure, Mass  
spectrum

(See also 60-18195)

(Physics--Spectroscopy, TT, v. 9, no. 9)

62-18538

I. Hintenberger, H.  
II. Dörnenburg, E.

Office of Technical Services



Application of Mass Spectrometry in Vacuum  
Technique, 2, by H. Hintenberger, E. Dornenburg,  
22 pp.

GERMAN, per, Vakuum-Technik, Vol VII, No 7,  
1958, pp 159-171.

SIA 60-18195

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Vol 4, No 10

Brazing in Vacuum, by F. Bernhard, H. Buxen,  
12 pp.

GERMAN, Ger, Vakuum-Techn, Vol:VII, 1958,  
pp 151-158.

AEC DIR-T/CA-112

Sci - Engr

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Application of Mass Spectrometry in Vacuum  
Technique, 2, by H. Hintenberger, E. Dornenburg,  
22 pp.

GERMAN, per, Vakuum-Technik, Vol VII, No 7,  
1958, pp 159-171.

SLA 60-18195

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Vol 4, No 10

Mica as a Construction Material in High-Vacuum Technique, by Werner, Espe, 6 pp.

GERMAN, per, Vakuum-Technik, Vol VIII, No 1, 1959, pp 15-19.

SLA 60-18194

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The Electrolysis of Glass in Electron Tubes,  
by Fritz Engel, 7 p.

GERMAN, per, <sup>2</sup>V<sub>a</sub>uum-Tech, 1959, Vol VIII, No 2,  
pp 44-47.

ATB-07L340

Sci  
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Vol 2, No 11

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Hermetic (Airtight) Molybdenum-to-Glass "Solder"  
Seals, by H. Adam, 9 pp.

BERMAN, per, Vakuum-Tech, Vol VIII, No 3, 1959,  
pp 59-62. 9093442

ABC SCL-T-417

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The Purification of Potassium and Sodium, by G.  
Kunze, 5 pp.

GERMAN, per, Vakuum-Technik, Vol VIII, N 1959,  
pp 168-170. 9097326

UKAEA, Risley  
DEG Inf Ser 87(D)

Sci - Chem  
Apr 62

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Gas-Tight Sintered Glass, by W. Pope,  
J. Sloslar.

CHROMIUM, per, Vacuum-Technique, Vol 20  
VIII, No 8, 1959, pp 209-214.

CSIRO

Sci - Phys  
Dec 61

175, 191



62-16307

Kienel, G. and Lorenz, A.  
A GETTER ION PUMP FOR TECHNICAL PURPOSES.  
[1962] [16]p. 3 refs.  
Order from SLA \$1.60

62-16307

Trans. of Vakuum Technik (West Germany) 1960, v. 9,  
no. 1 [p. 1-6].

DESCRIPTORS: \*Ions, \*Pumps, Design, Structural  
parts, \*Vacuum apparatus, Gases, Absorption,  
Ionization, Seals (Stoppers), Measurement.

Described are a getter ion pump made of metal, flange  
seals made of aluminum and gold, as well as an ultra-  
high vacuum valve with aluminum gasket. Some  
measuring results are given attained by means of these  
structural parts. The pumping speed of the getter ion  
pump for the hydrogen, oxygen and nitrogen is 740 l/sec.  
The getter metal supply (titanium) within the pump is  
sufficient to absorb approximately 200 Ncm<sup>3</sup> (std. cc)  
(Physics, TT, v. 10, no. 11) (over)

I. Kienel, G.  
II. Lorenz, A.

Office of Technical Services

Preuss, L. E. and Alt, C. E.  
EVAPORATION OF METALS IN VACUO AS A  
FUNCTION OF THEIR DISTRIBUTION ON THE  
EVAPORATION SURFACE (EXPERIMENTAL RE-  
SULTS OF RADIOAUTOGRAPHY AND DISTILLATION-  
CAMERA PHOTOGRAPHS) PT. 1 (Die Verdampfung von  
Metallen im Vakuum in Abhängigkeit von ihrer  
Verteilung auf der Verdampfungsunterlage; Experi-  
mentelle Ergebnisse mittels Autoradiographie und  
Destillations-Kamera -Aufnahmen, I. Teil). [1961]  
[32]p. (foreign text included) 10 refs.  
Order from SLA \$3.60

Trans. of Vakuum-Technik (Germany) 1960, v. 9,  
no. 4, p. 93-100.

DESCRIPTORS: \*Evaporation, \*Metals, Distilling  
plants, \*Vacuum apparatus, Distribution, Surfaces,  
\*Autoradiography, Surface tension, Radioactivity,  
(Research Methods--Photographic Equipment, TT,  
v. 7, no. 8)

61-20446

I. Preuss, L. E.  
II. Alt, C. E.  
III. Title: Experimental ...

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(over)

61-20541

Drawin, H. W.  
BAKABLE ULTRA-HIGH-VACUUM VALVE WITH  
LARGE CROSS SECTION. [1961] 8p. 8 refs.  
Order from SLA \$1.10 61-20541

Trans. of Vakuum-Technik (Germany) 1960, v. 9,  
no. 7, p. 199-201.

DESCRIPTORS: \*Stainless steel, Metal plates Re-  
fineries, Seals, \*Valves, Reliability, Metal screws,  
Vacuum operated valves, Structures, Welding,  
\*Vacuum apparatus.

The new 35-litre valve is described which offers a  
particularly good reliability as a result of its com-  
pletely welded structure. All parts in vacuo, with the  
exception of the screw mechanism and the light plate,  
consist of refined stainless steel.

(Metallurgy--Ferrous Metals, TT, v. 7, no. 5)

1. Drawin, H. W.

Office of Technical Services